

### REMARKS

Claims 16-22, 26, and 29-30 have been cancelled herein. Claims 27 and 28 have been amended herein. Claims 31-40 are newly added.

Claims 27, 28, and 31-40 now remain in the case. Entry of this Response After Final is requested, along with favorable reconsideration of the now-pending claims.

Claims 27 and 28 were indicated as being allowable in the Final Office Action. These two claims have been amended herein to be independent claims.

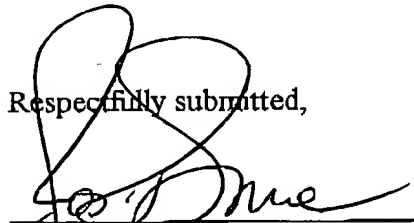
Newly-added Claims 31-40 all depend directly or indirectly from allowed claims 27 and 28. New Claims 31-40 enjoy verbatim support from now-cancelled Claims 17, 18, 21, 22, and 26. No new matter is added and no new issues are presented for consideration.

Insofar as all of the newly-added claims depend from Claims 27 and 28 (which have been indicated as allowable), and all of the previously-rejected claims have been cancelled, Applicants submit that the application is now in condition for allowance.

### CONCLUSION

Applicants submit that the application is now in condition for allowance. Early notification of such action is earnestly solicited.

Respectfully submitted,

  
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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. Serial No.: 09/373,272

Group Art Unit: 1635

Filing Date: August 12, 1999

Examiner: Epps, J.

Applicants: Austin-Phillips et al.

Attorney Docket No.: 09820.114

Title: **Transgenic Plants as Alternative Source of Lignocellulosic-Degrading Enzymes**

**MARKED-UP CLAIMS AS AMENDED**

27. [AMENDED] [The] A genetically recombinant tobacco or alfalfa plant [of Claim 16,] which is stably transformed to contain and express a gene sequence which encodes *T. fusca* cellulase E2.
28. [AMENDED] [The] A genetically recombinant tobacco or alfalfa plant [of Claim 16,] which is stably transformed to contain and express a gene sequence which encodes *T. fusca* cellulase E3.
31. [NEW] The genetically recombinant plant of Claim 27, which is alfalfa.
32. [NEW] The genetically recombinant plant of Claim 27, which is tobacco.
33. [NEW] A method for producing cellulose-degrading enzymes comprising cultivating a genetically recombinant plant according to Claim 27.
34. [NEW] The method of Claim 33, further comprising concentrating the cellulose-degrading enzymes.
35. [NEW] A method of ensilement comprising ensiling a plant according to Claim 27, whereby cellulose-degrading enzymes produced by the plant increase nutritional value of silage.
36. [NEW] The genetically recombinant plant of Claim 28, which is alfalfa.
37. [NEW] The genetically recombinant plant of Claim 28, which is tobacco.
38. [NEW] A method for producing cellulose-degrading enzymes comprising cultivating a genetically recombinant plant according to Claim 28.

39. [NEW] The method of Claim 38, further comprising concentrating the cellulose-degrading enzymes.
40. [NEW] A method of ensilement comprising ensiling a plant according to Claim 28, whereby cellulose-degrading enzymes produced by the plant increase nutritional value of silage.